

POLE TYPE	POLE DATA			
	A HEIGHT	MIN. O.D.		WALL THICKNESS
		BASE	TOP	
15	30'-0"	8"	3-11/16"	0.1196"

LUMINAIRE MAST ARM DATA				
M PROJECTED LENGTH	N RISE	MIN. O.D. AT POLE	NOMINAL THICKNESS	P - MOUNTING HEIGHT
6'-0"	2'-0"±	3-1/4"	0.1196"	TYPE 15
8'-0"	2'-6"±	3-1/2"		31'-6"±
10'-0"	3'-3"±	3-7/8"		32'-0"±
12'-0"	4'-3"±	3-7/8"		32'-9"±
15'-0"	4'-9"±	4-1/4"		33'-9"±
				34'-3"±


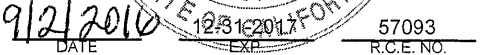
LED STREETLIGHT FIXTURE: LEOTEK EC-SERIES, GE ERS1-SERIES, OR APPROVED EQUAL.

ELEVATION-TYPE 15

STREET LIGHT DESIGN CRITERIA				
LAND USE AND/OR STREET CLASSIFICATION	MINIMUM MAST ARM LENGTH (FT)	LEDs		
		WATTAGE (W)	LUMENS (Lm)	VOLTAGE (V)
RESIDENTIAL	8	≤35	2,500-3,000	120-277
COMMERCIAL	12	≤75	6,500-7,000	120-277
INDUSTRIAL	12	≤75	6,500-7,000	120-277
ARTERIAL	12-15	≤95	8,000-9,000	120-277
INTERSECTION (SIGNAL & NON-SIGNAL)	12-15	≤145	10,900-12,000	120-277
MID-BLOCK CROSSWALKS				

NOTES:

- HANDHOLE SHALL BE LOCATED ON DOWNSTREAM SIDE OF TRAFFIC.
- POLE AND MAST ARM MUST BE UNPAINTED GALVANIZED STEEL.
- SEE CURRENT CALTRANS STANDARD PLANS FOR LUMINAIRE MAST ARM CONNECTION DETAIL.
- LUMINAIRES MUST BE LIGHT EMITTING DIODE (LED) WITH 4000K TO 4500K COLOR TEMPERATURE.
- LEDs MUST PROVIDE ILLUMINATING ENGINEERING SOCIETY (IES) TYPE II DISTRIBUTION UNLESS OTHERWISE NOTED ON THE PLANS.
- EACH STREETLIGHT MUST HAVE AN INDIVIDUAL AND INDEPENDENT PHOTO CELL.

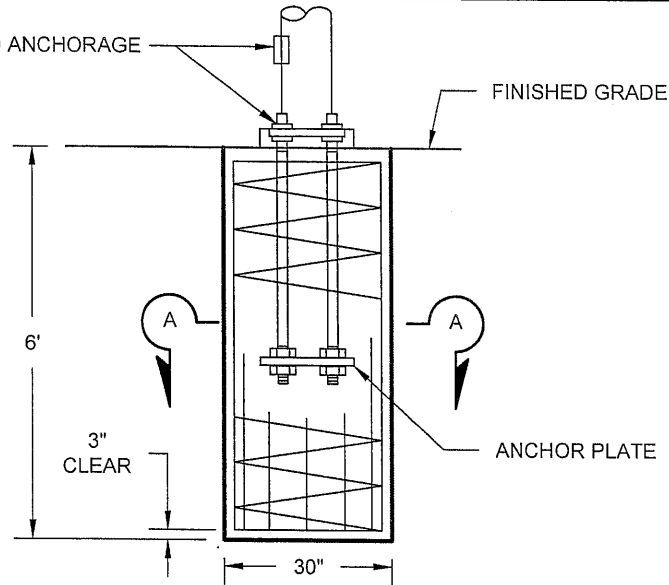
Revision		Date	Approved
Drawn: TE	Date: 08-23-2016		
Checked: AB	Scale: NTS		
APPROVED BY: No. 57093			
			
			

CITY OF MOUNTAIN VIEW
PUBLIC WORKS DEPARTMENT
STANDARD DETAIL

STANDARD ELECTROLIER

FILE NO. E-1

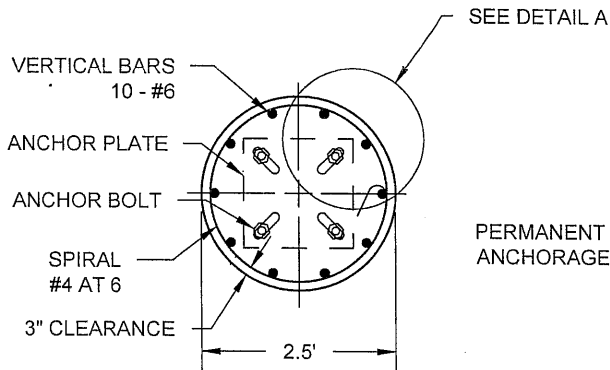
SEE HANDHOLE AND ANCHORAGE
DETAIL E-3A



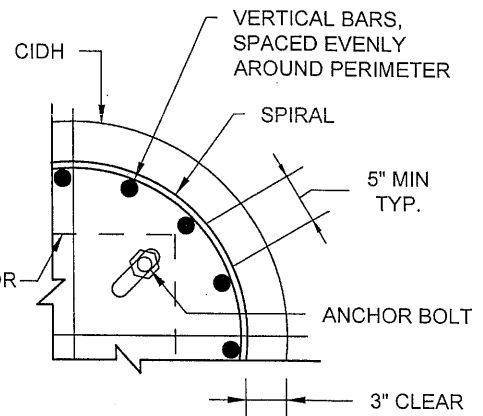
ELEVATION

FOR POLES TO BE INSTALLED ON EXISTING FOUNDATION:
VERIFY BOLT CIRCLES, ANCHOR BOLT SIZES, AND
DEPENDENT DIMENSIONS FOR POLES TO BE INSTALLED ON
EXISTING FOUNDATIONS BEFORE FABRICATING THE POLES.

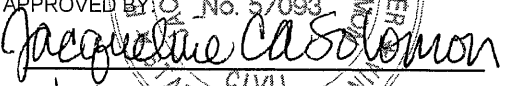
CAST-IN-DRILLED-HOLE (CIDH) PILE FOUNDATION, REINFORCED PILE



SECTION A-A



DETAIL A

Revision		Date	Approved
Drawn: TE	Date: 08-28-2016		
Checked: AB	Scale: N.T.S.		
APPROVED BY: No. 57093			
 9/2/2016 DATE EXP. 12/31/2016 57093 R.C.E. NO.			

CITY OF MOUNTAIN VIEW
PUBLIC WORKS DEPARTMENT
STANDARD DETAIL

STANDARD POLE BASE
(SHEET 2 OF 3)

FILE NO. E-3

FOR NON-SLIP POLES ATTACH
BONDING LUG INSIDE POLE OR
TAP HOLE IN REINFORCING
FOR BONDING BOLT.

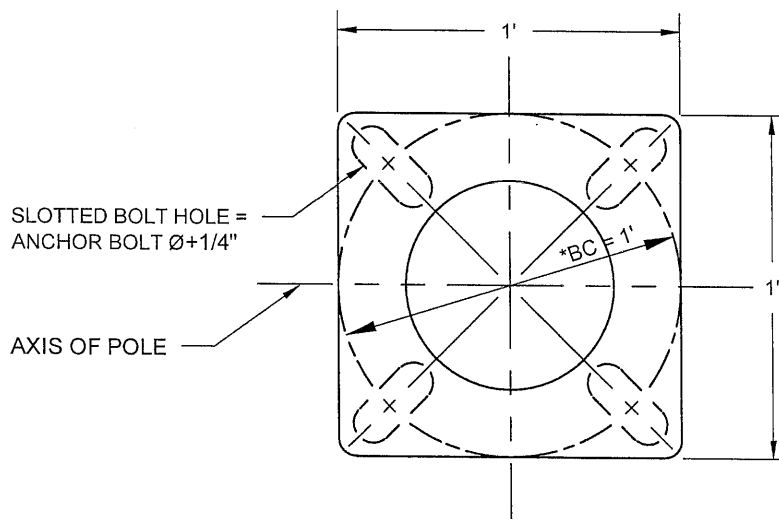
ANCHOR BOLT
THREAD TOP 8" AND GALVANIZE 1'-0"

2" MIN TO 3" MAX
MORTAR

AFTER PLUMBING STANDARD, ———
PLACE MORTAR ALL AROUND BOLTS.

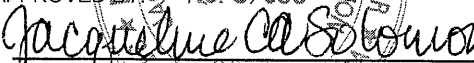



ANCHOR PLATE
1/2" THICK MIN

- 4-1" x 36" ANCHOR BOLTS
PROVIDE HEX NUT, LEVELING NUT,
AND 2 WASHERS FOR EACH BOLT.



BASE PLATE THICKNESS: 1 1/2"
ANCHOR BOLT SIZE: 1" Ø X 36"

*BC = BOLT CIRCLE

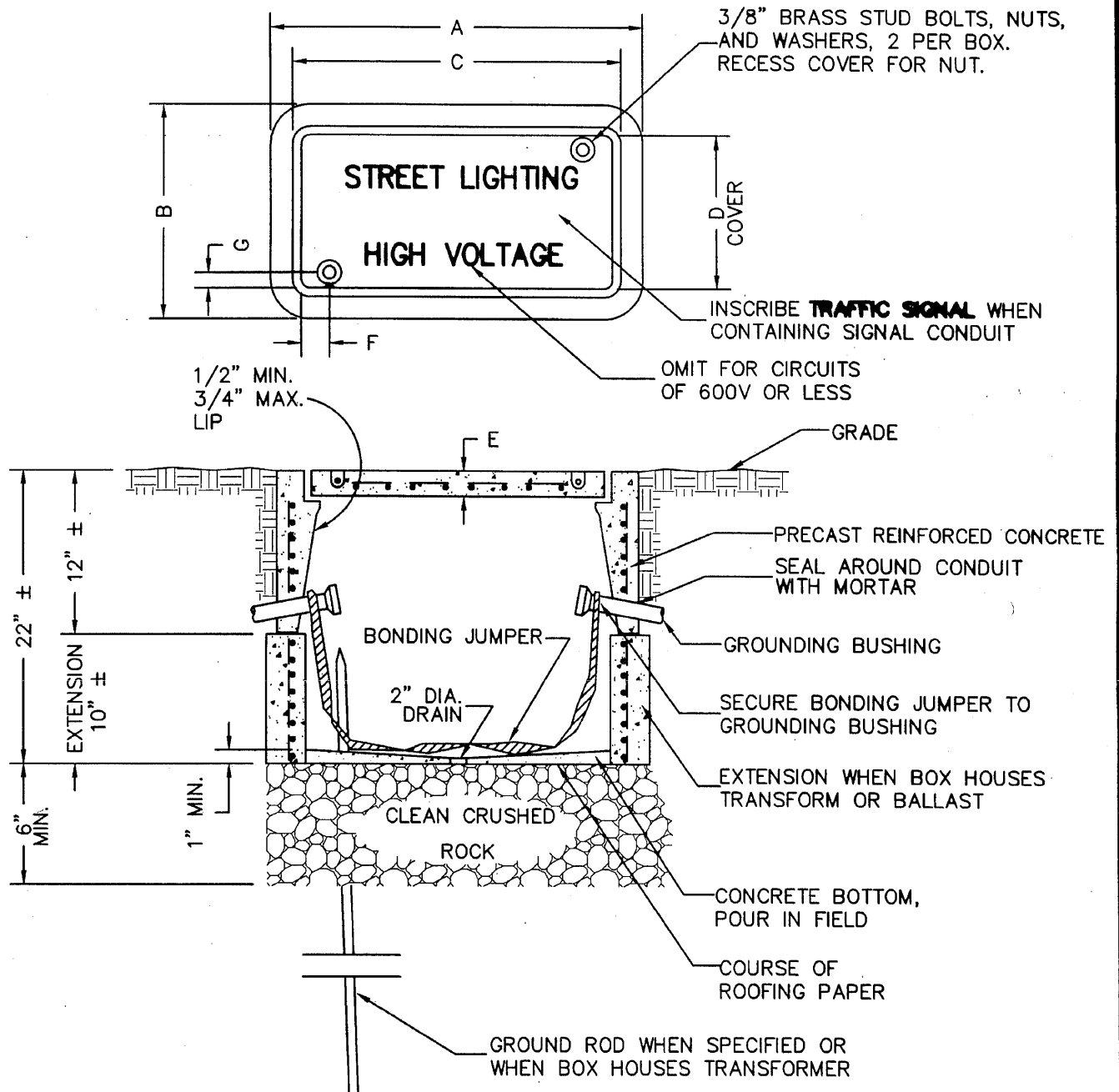
Revision		Date	Approved
Drawn: TE		Date: 08-23-2016	
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APPROVED BY		No. 57093	
			
			
DATE		EXP	RCE NO

CITY OF MOUNTAIN VIEW
PUBLIC WORKS DEPARTMENT
STANDARD DETAIL

STANDARD POLE BASE
(SHEET 3 OF 3)

FILE NO. E-3A

PULL BOX	CHRISTY No.	BOX		COVER				
		A	B	C	D	E	F	G
No. 3-1/2	N9	19-3/4"	14-1/4"	15-1/4"	10"	1-3/4"		
No. 5	N16	25-1/4"	15-3/4"	20-5/8"	10-1/2"	2"	2-1/2"	1-3/4"



NOTE:

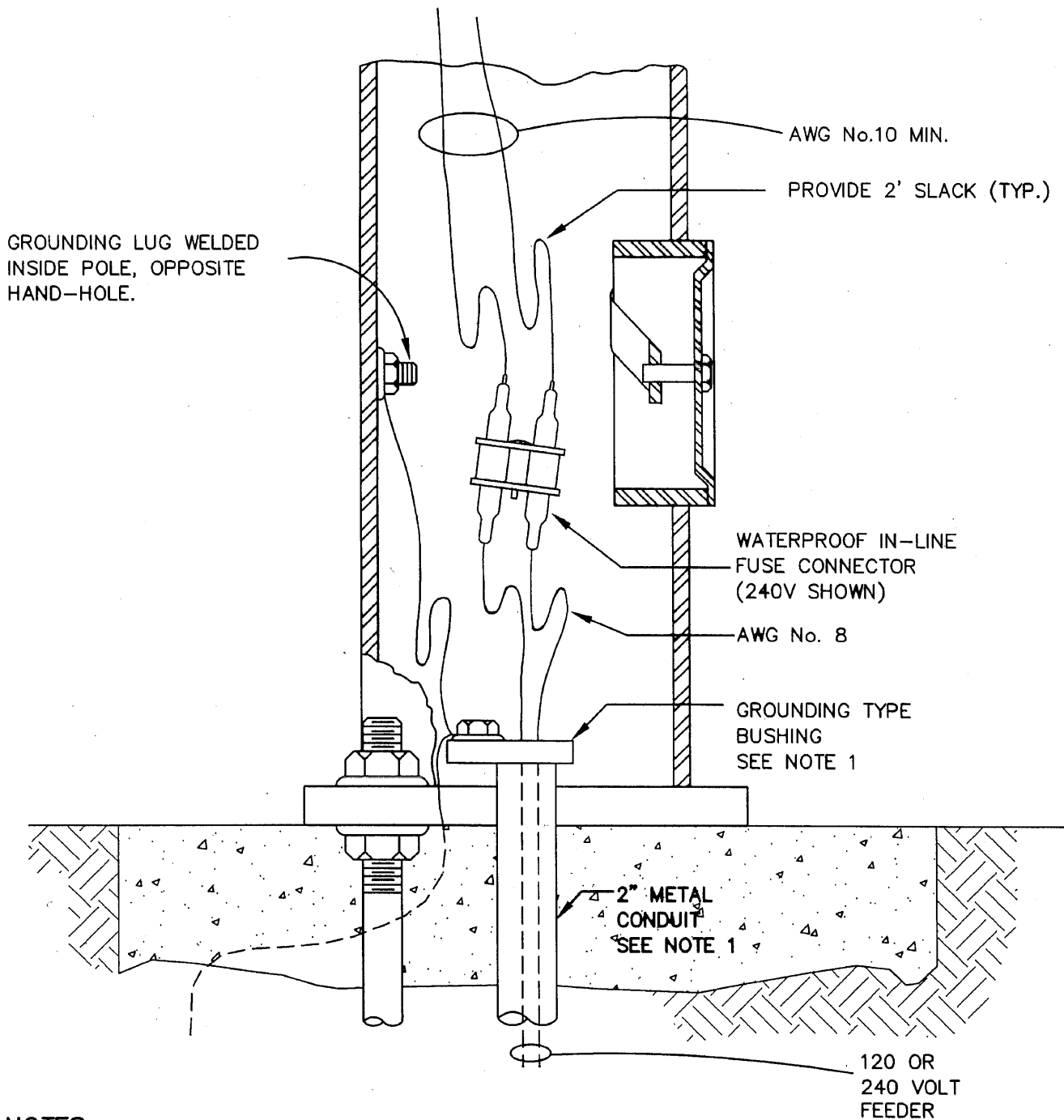
No. 3-1/2 & 5 PULL BOX WITH HOLD-DOWN BOLTS OR APPROVED EQUAL

**CITY OF MOUNTAIN VIEW
DEPARTMENT OF PUBLIC WORKS
STANDARD DETAIL**

STANDARD PULL BOX

Revision _____ Date _____ Approved _____
 Drawn : QT Date : 05-05-99
 Checked : RK Scale : NTS
 APPROVED _____ No. 27089
 Exp. 03-31-01
 ASSISTANT PUBLIC WORKS DIRECTOR
 DATE 06-29-99 EXP. 03-31-01 27089 R.C.E. NO.

FILE NO. **E-4**



NOTES:

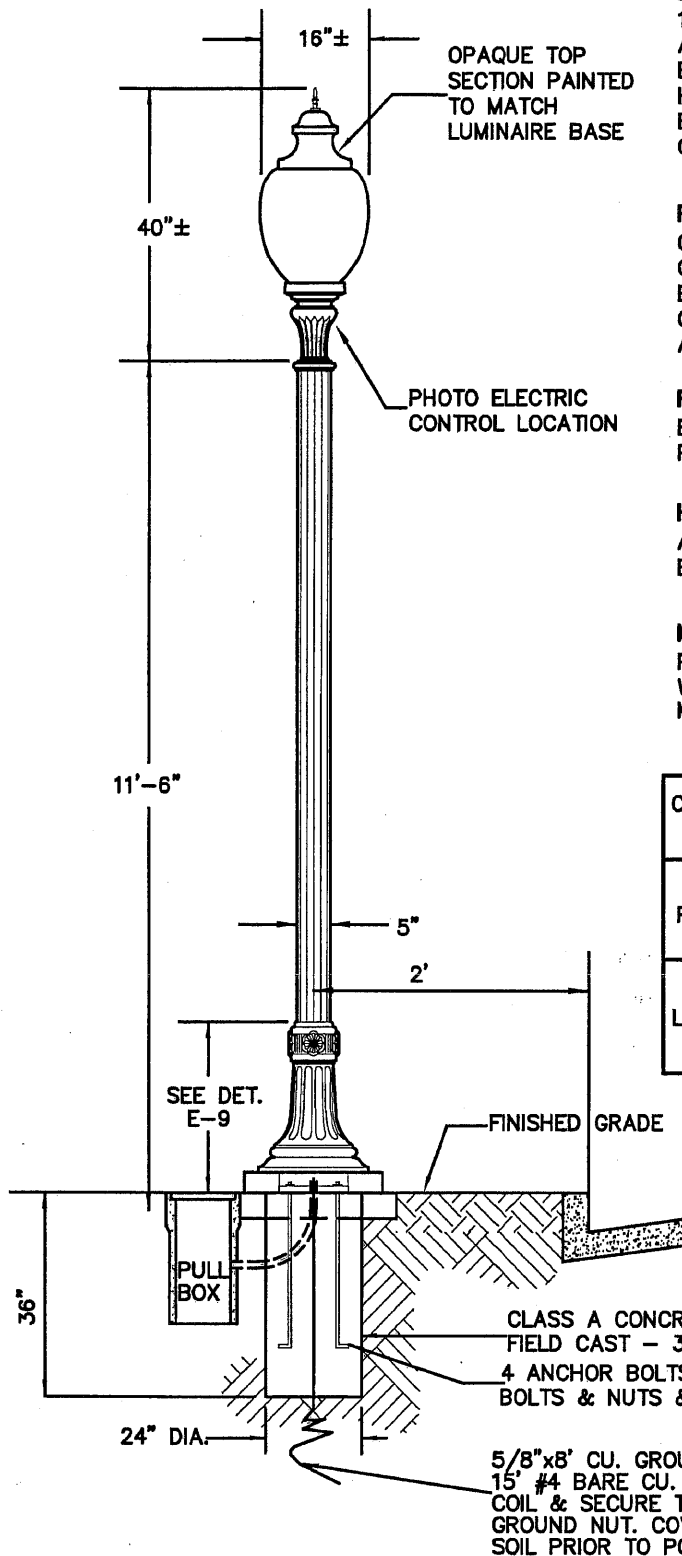
1. GROUNDING TYPE BUSHING IS NOT REQUIRED FOR PLASTIC CONDUIT.
FOR PLASTIC CONDUIT, SPLICE GROUND WIRE IN ELECTROLIER TO GROUND
WIRE IN CONDUIT.

Revision		Date	Approved
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EXP. 03-31-01			
06-29-99		27089	
DATE		R.C.E. NO.	

**CITY OF MOUNTAIN VIEW
DEPARTMENT OF PUBLIC WORKS
STANDARD DETAIL**

**STREET LIGHT FUSE AND
GROUND CONNECTION**

FILE NO. **E-5**



LUMINAIRE

16"± Ø x 40"± TALL WITH CLEAR TEXTURED ACRYLIC ACORN GLOBE, CAST ALUMINUM LUMINAIRE BASE AND BRASS FINIAL; LUMINAIRE FURNISHED WITH HPS LAMP, H.I.D. 120V BALLAST, PORCELAIN MOGUL BASE SOCKET, BOROCILICATE GLASS REFRACTOR, AND A PHOTOELECTRIC CONTROL AT THE BASE.

POST

ONE-PIECE CAST ALUMINUM CONSTRUCTION CONSISTING OF A TAPERED AND FLUTED BASE WITH HEXAGONAL BOTTOM, A Ø5" FLUTED SHAFT WITH A 3" TENON FOR CROSSARM OR LUMINAIRE MOUNTING, AND A HAND-HOLE AT THE BASE FOR ANCHORAGE AND WIRING ACCESS.

FINISH

ENTIRE POST AND LUMINAIRE BASE TO HAVE A "BLACK" POWDER COAT FINISH UNLESS SPECIFIED OTHERWISE.

HARDWARE

ALL HARDWARE TO BE STAINLESS STEEL AND ALL EXTERIOR HARDWARE TO BE TAMPER RESISTANT.

MANUFACTURERS

PRODUCTS TO BE MANUFACTURED BY ANTIQUE LAMPS, INC., WESTERN LIGHTING STANDARDS OR OTHER APPROVED EQUAL MANUFACTURERS.

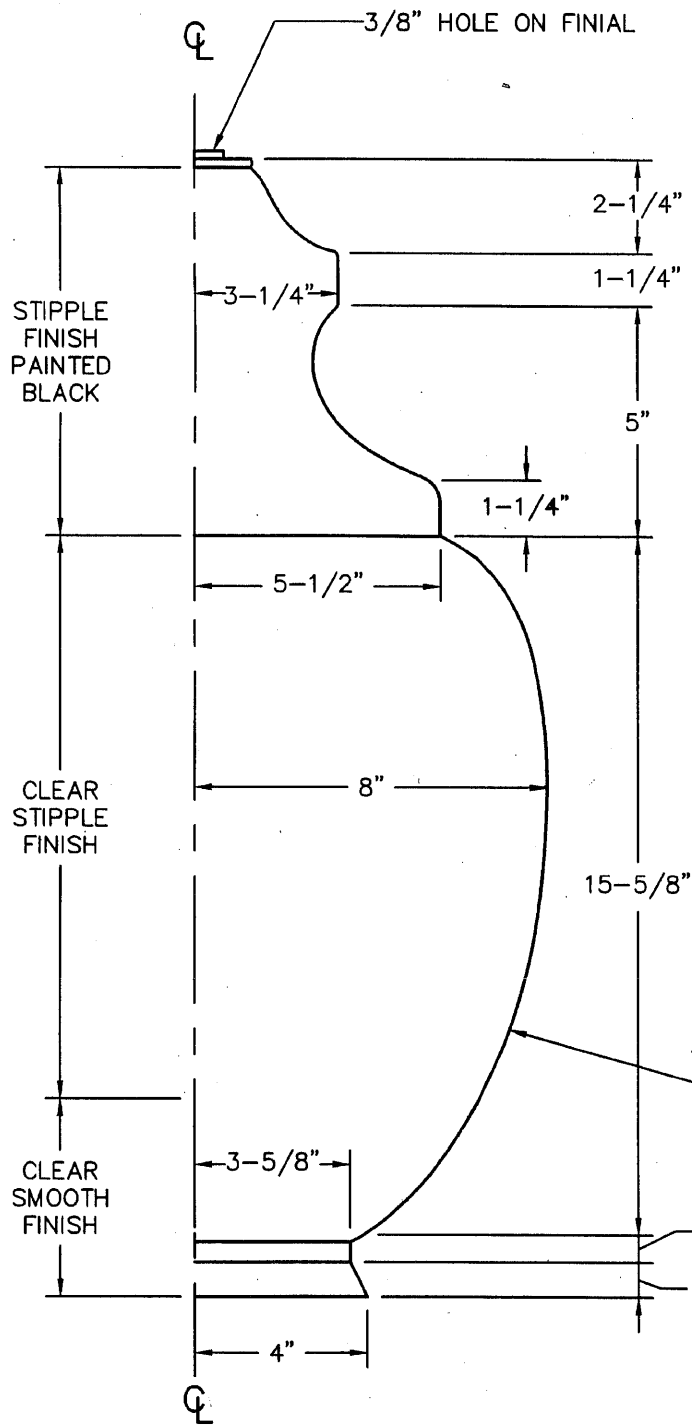
COMPONENT	ANTIQUE LAMP, INC.	WESTERN LIGHTING STANDARDS
POST	NY11'-6"F5MOD/ 17MODPT18-CA/BK	WPBBH11'6"EF50-COLOR
LUMINAIRE	AA25ABFMOD/BK- SXXX/120-X-PEC	FXS2PT30-COLOR

Revision		Date	Approved
Drawn : QT		Date : 02-25-05	
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APPROVED BY: No. 27089 EP. 03-31-07 Timothy K. [Signature] ASSISTANT PUBLIC WORKS DIRECTOR CITY OF MOUNTAIN VIEW			
02-25-05 DATE		27089 R.C.E. NO.	

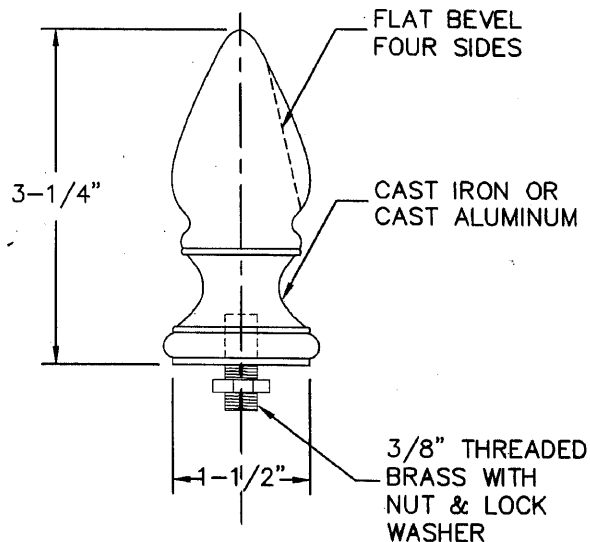
CITY OF MOUNTAIN VIEW
DEPARTMENT OF PUBLIC WORKS
STANDARD DETAIL

TYPE B STREETLIGHT DETAILS

FILE NO. E-6



**GLOBE DETAIL
(HALF SECTION)**



FINIAL DETAIL

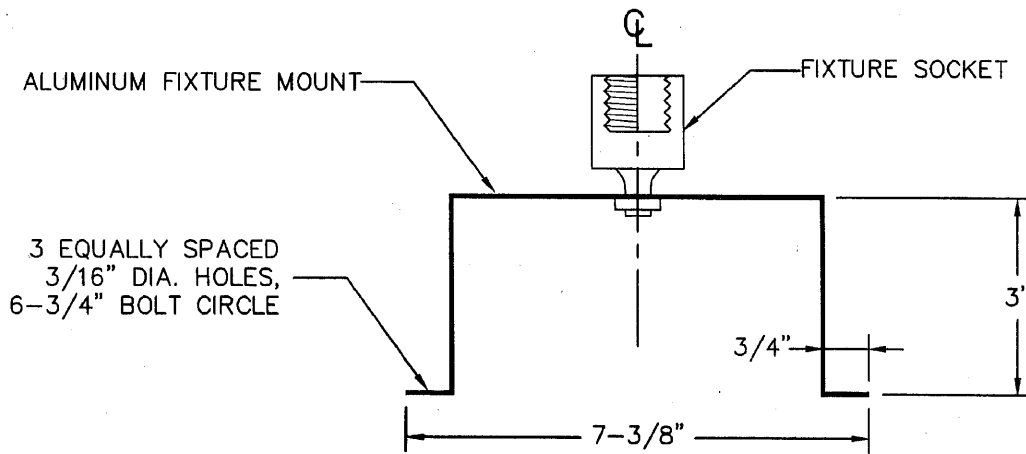
POLYCARBONATE GLOBE
WITH "GLASS LIKE" FINISH
OR PRISMATIC GLASS

**CITY OF MOUNTAIN VIEW
DEPARTMENT OF PUBLIC WORKS
STANDARD DETAIL**

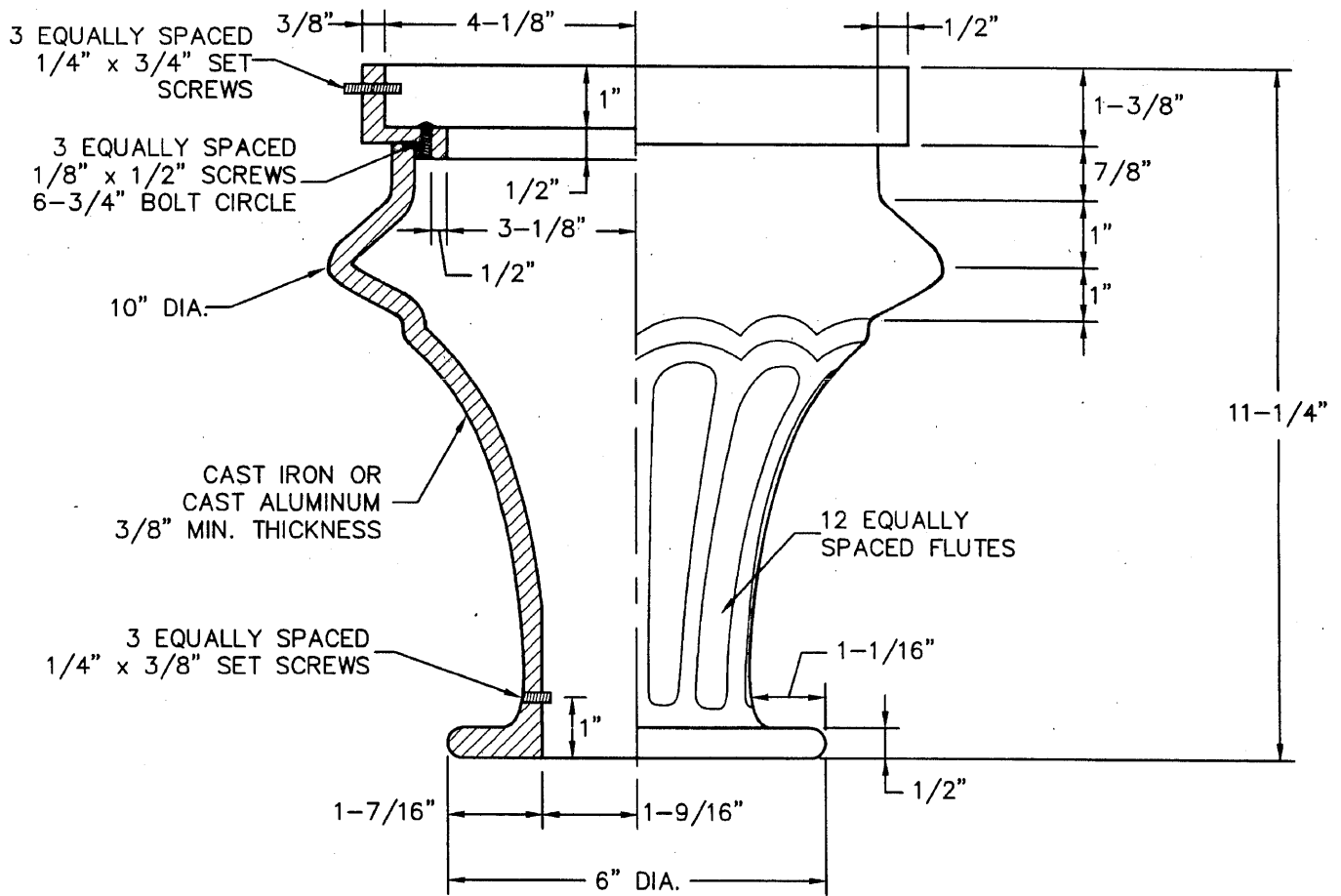
**TYPE "B" STREETLIGHT
GLOBE AND FINIAL DETAILS**

FILE NO. **E-7**

Revision		Date	Approved
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ASSISTANT PUBLIC WORKS DIRECTOR			
06-29-99	03-31-01	27089	
DATE	EXP.	R.C.E. NO.	



FIXTURE DETAIL



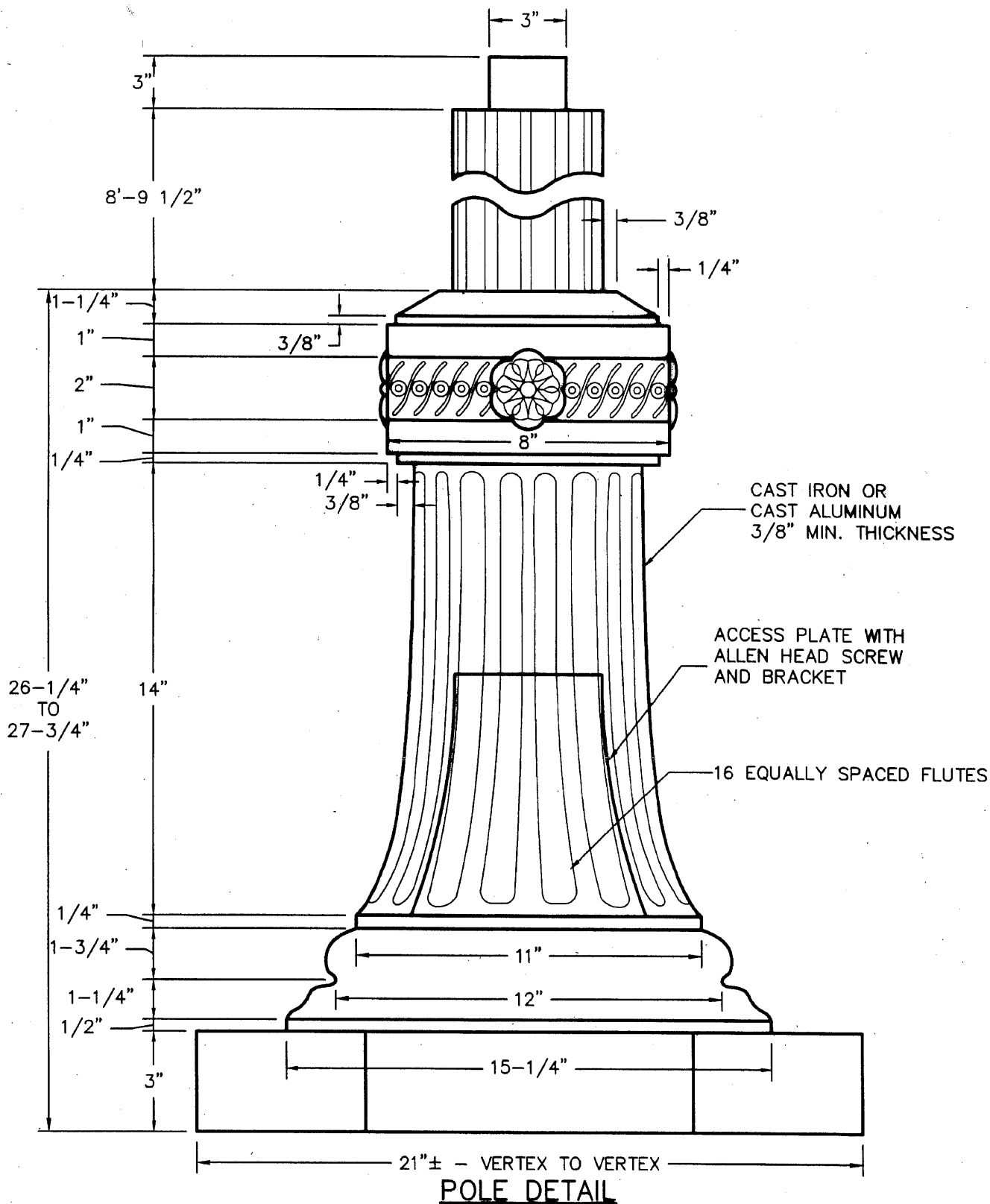
GLOBE HOLDER DETAIL

Revision		Date		Approved	
Drawn : QT		Date : 03-18-99		Checked : RK	
Checked : RK		Scale : NTS		APPROVED BY	
No. 27089		EX. 03-31-01		ASSISTANT PUBLIC WORKS DIRECTOR	
06-29-99		03-31-01		27089	
DATE		EXP.		R.C.E. NO.	

**CITY OF MOUNTAIN VIEW
DEPARTMENT OF PUBLIC WORKS
STANDARD DETAIL**

**TYPE "B" STREETLIGHT
FIXTURE & GLOBE HOLDER DETAILS**

FILE NO. **E-8**



**CITY OF MOUNTAIN VIEW
DEPARTMENT OF PUBLIC WORKS
STANDARD DETAIL**

**TYPE "B" STREETLIGHT
POLE DETAILS**

FILE NO. **E-9**

Revision

Date

Approved

Drawn : QT

Date : 05-18-99

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Scale : NTS

APPROVED

No. 27089

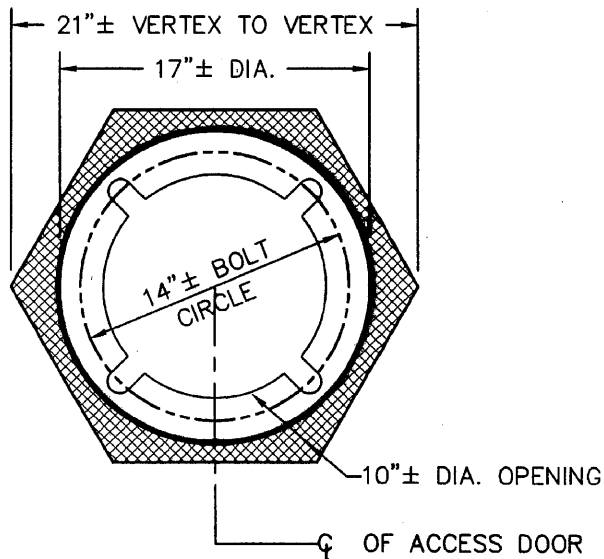
EXP. 03-31-01

ASSISTANT PUBLIC WORKS DIRECTOR

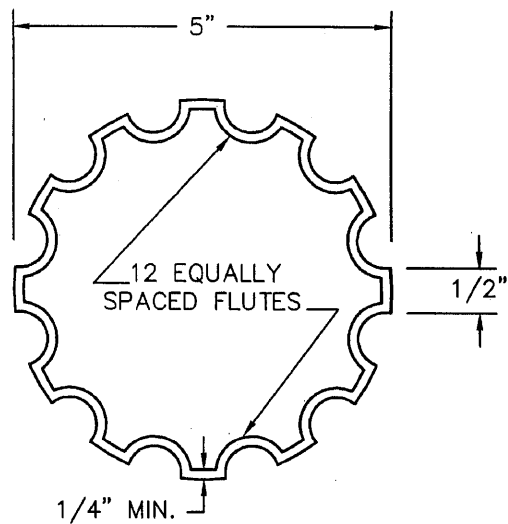
06-29-99
DATE

03-31-01
EXP.

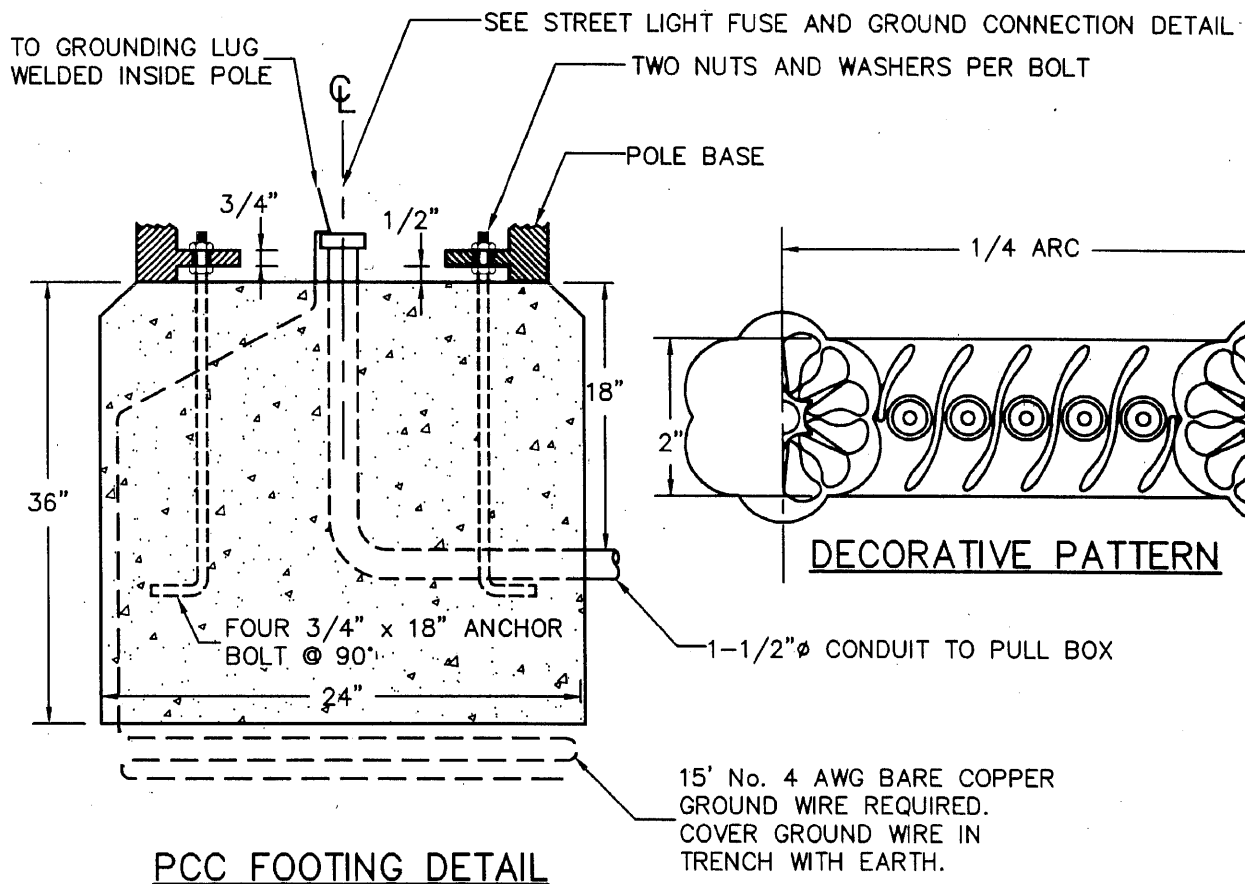
27089
R.C.E. NO.



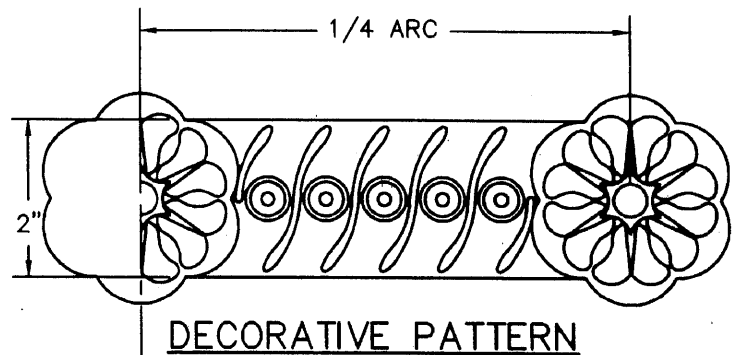
BASE DETAIL



5" DIA. COLUMN DETAIL



PCC FOOTING DETAIL

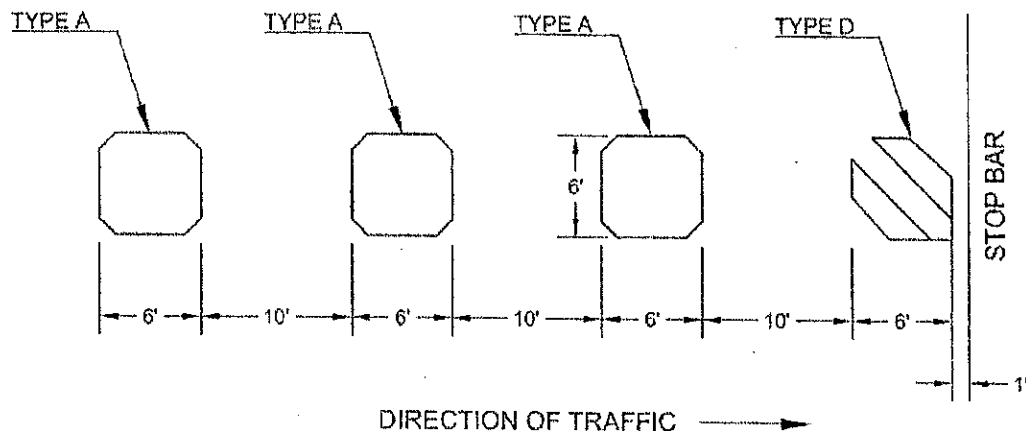


DECORATIVE PATTERN

Revision		Date	Approved
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		Exp. 03-31-01	
		ASSISTANT PUBLIC WORKS DIRECTOR	
06-29-99		05-31-01	27089
DATE		EXP.	R.C.E. NO.

**CITY OF MOUNTAIN VIEW
DEPARTMENT OF PUBLIC WORKS
STANDARD DETAIL**

**TYPE "B" STREETLIGHT
MISCELLANEOUS DETAILS**



NOTES:

1. SEE STATE OF CALIFORNIA, DEPARTMENT OF TRANSPORTATION (CALTRANS) STANDARD PLANS, PAGES ES-5A AND ES-5B, FOR INSTALLATION, SAWCUT, AND WINDING DETAILS.
2. USE FOUR (4) LOOPS FOR LEFT TURNS.
3. USE FOUR (4) LOOPS FOR STRAIGHT THROUGH.
4. LOOPS TO BE CUT IN A 6'x6' QUAD CONFIGURATION. LOOP MARKS SHALL BE VERIFIED BY CITY TRAFFIC STAFF (72 HOURS ADVANCE NOTIFICATION REQUIRED) UNLESS OTHERWISE NOTED.
5. DETECTOR LOOPS SHALL BE TYPE "D" AND "A" AS SHOWN. DETECTOR LOOP WIRE SHALL BE TYPE 1. LEAD IN CABLE SHALL CONFORM TO TYPE B.
6. EACH INDIVIDUAL LOOP WILL HAVE ITS WIRING BROUGHT INTO PROPER PULLBOX FOR CONNECTION TO TYPE B DETECTOR LEAD IN CABLE (DLC). LOOP WIRING IN STREET SHALL ENTER A (G5 BOX) DETECTOR HANDHOLE AT THE LIP OF GUTTER. DETECTOR HANDHOLE SHALL BE INSTALLED IF NOT EXISTING FOR ALL NEW LOOP INSTALLATIONS.
7. SEALANT SHALL BE HOT MELT RUBBERIZED ASPHALT. FINISHED PRODUCT MUST BE AT A MINIMUM STREET LEVEL OR ABOVE.
8. ANY TRAFFIC LOOP WIRE CONNECTION(S) TO BE LAID DOWN IN SIGNAL CABINET SHALL BE SOLDERED. DLC SHIELD CONDUCTORS ARE NOT TO BE BONDED TO THE GROUND, BUT WRAPPED AROUND AND SECURED TO RESPECTIVE OWNER. THEY ARE NOT TO BE SHORTER THAN SIX INCHES (6").
9. ACCEPTABLE TESTING RESULTS FOR EACH INDIVIDUAL LOOP PAIR SHALL BE 126 MICRO-HENRIES INDUCTANCE AND INFINITE MEG-OHMS TO GROUND. NO LOOP WIRING IS TO BE CONNECTED UNTIL TESTED AND APPROVED BY THE CITY'S TRAFFIC SIGNAL MAINTENANCE CONTRACTOR (72 HOURS ADVANCE NOTIFICATION REQUIRED).

Revision Drawn: TE Checked: AB		PROFESSIONAL Date: 03-20-2017 Scale: NTS	CITY OF MOUNTAIN VIEW PUBLIC WORKS DEPARTMENT STANDARD DETAIL
APPROVED BY: <i>Jaqueline Casolomon</i> 3/22/17 DATE		No 57093 12-31-2017 EXP.	TRAFFIC SIGNAL DETECTOR LOOPS FILE NO. E-11